

Hanover Advisory Committee
550 Hanover Street
Hanover, MA 02339
Meeting Minutes
Wednesday, August 24, 2016 - 7:00pm

Opening:

The meeting was opened at 7:00 p.m. by Edward Hickey, Chairman.

Committee Attendees:

Edward Hickey	Wayne Moores
Angela Blanchard	Joan Port-Farwell
Jerry O’Hearn	Sandra Hayes
Brandon Freeman	Emmanuel Dockter
Gavin Little-Gill	

Other Attendees:

Ms. Janine Smith, Director of Municipal Finance
Mr. Tony Marino, Assistant Town Manager/Building Commissioner
Mr. Thomas Raab, Hanover Schools Business Manager

Review of Meeting Minutes:

Jerry O’Hearn made a motion to accept the minutes from June 22, 2016 as written. This was seconded by Wayne Moores. All were in favor and the motion passed.

General Discussion

The Advisory Committee welcomed its new member Gavin Little-Gill. Edward Hickey inquired with Janine Smith on whether the Special Town Meeting Warrant was closed. Janine Smith responded that it was not closed yet. Edward Hickey stated that he remains in favor of seeking funds to conduct a Town-wide vehicle fleet management study and possibly implementing fleet management software; however, given time constraints of the Special Town Meeting it would probably not be appropriate to request until the Annual Town Meeting next spring. The Committee will look into the matter in the future. Janine Smith provided an update on information requested by Edward Hickey regarding recently approved project specific capital appropriations and compliance with town By-Laws requiring that such projects are initiated within one year of Town meeting vote. Janine Smith provided the Committee a detailed list she has compiled of past warrant articles that have been approved but have seen no further progress toward completing the project. The Committee will review the list to determine what funds can be recovered for other use within the town.

Tony Marino and Thomas Raab – Discussion regarding Center School Project

Tony Marino and Thomas Raab discussed with the Committee the status of the Center School Project which consists of renovations and an addition to the Center School building. This will enable the Town to discontinue using the aging Sylvester School building. Under the proposal, after matching funds are received from the Massachusetts School Building Authority (MSBA), the Town of Hanover will be responsible for roughly \$16,000,000 of the proposed project. Tony Marino stated that renovating the Sylvester School building was a poor option since the cost was estimated at \$13,000,000 and would still leave children that attend the same school in two separate buildings. Emmanuel Dockter inquired what

the results would be if the Town did not approve the project. Tony Marino stated that the MSBA will likely be reducing spending in the future, and it could be 5 to 10 years before Hanover would get another chance to receive matching funds. In the meantime, the Town would be left in a poor position with the aging Sylvester School building and open to a possible lawsuit for accessibility issues. Emmanuel Dockter informed the Committee of resident feedback regarding the redistricting of the Cedar and Center Schools. Some residents feel if they vote against the Center School Project, then the redistricting won't take place. Thomas Raab stated that is not the case. The Hanover School Committee voted for the redistricting and it is a separate issue from the Center School Project. Emmanuel Dockter stressed the importance of informing the residents of this. Joan Port-Farwell stated that it is unfortunate timing that the Center School Project is coming along right after taxes have already been significantly increased for residents. Janine Smith stressed the importance of educating the residents about the funding process for the project and the schedule of when the increases will actually hit their tax bill. The Committee discussed with Mr. Marino and Mr. Raab the importance of properly educating the residents about all aspects of the Center School Project and its importance. Tony Marino would like to meet with the Committee again in the coming weeks to present the project in greater detail with the design team and project managers. Emmanuel Dockter inquired if the designs could be changed at this point in the process. Tony Marino stated no, the plans are final and approved by MSBA. The Committee thanked Mr. Marino and Mr. Raab for their time and they departed at 8:25 pm.

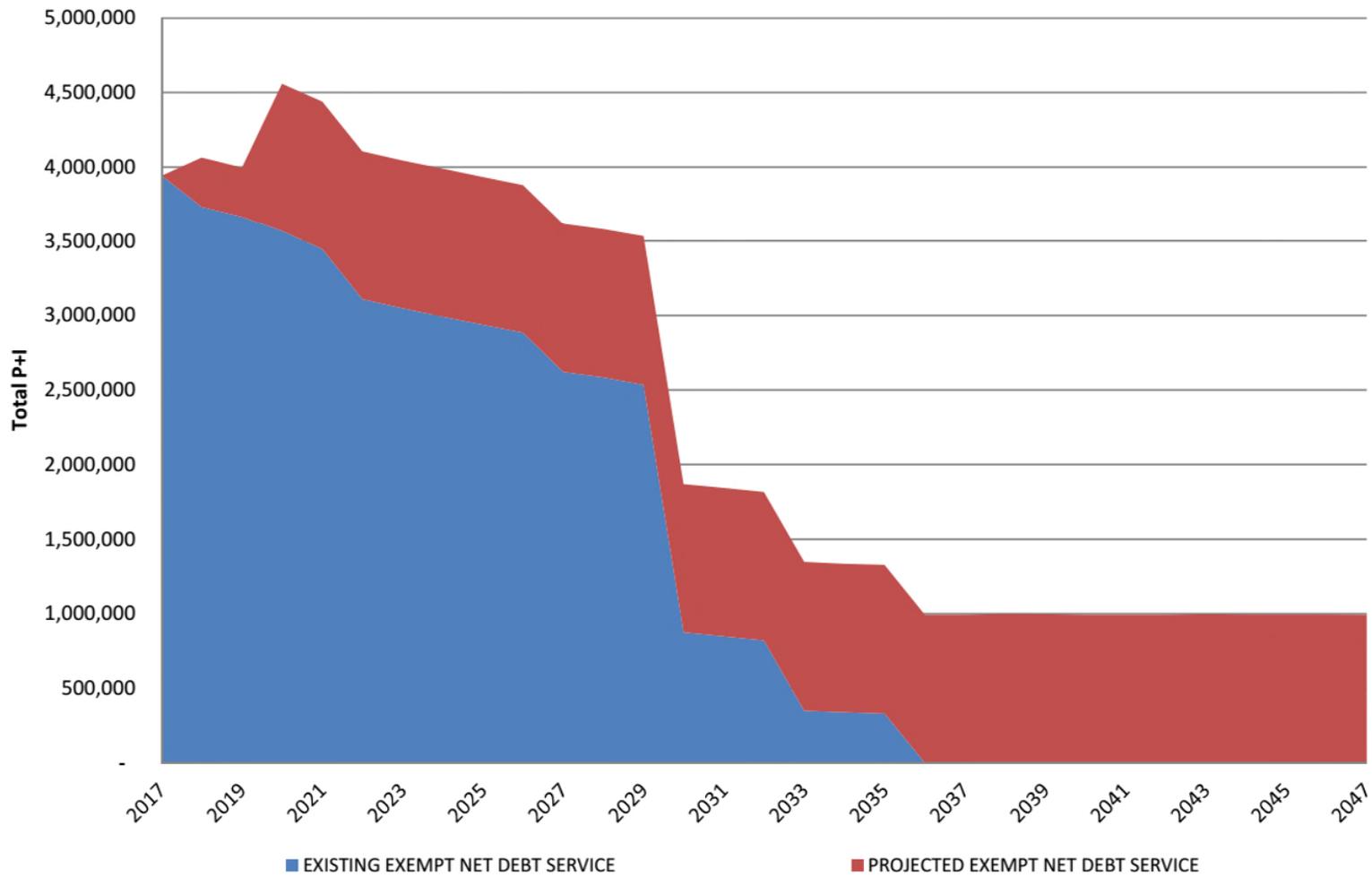
Next Meeting

The Advisory Committee discussed the possibility of meeting with the design team and project managers of the Center School Project on Tuesday, September 13 at 7pm in the First Floor Large Hearing Room and having said meeting televised.

Adjournment

Sandra Hayes made a motion to adjourn. This was seconded by Jerry O'Hearn. All were in favor, and the meeting adjourned at 8:28 pm.

Town of Hanover, Massachusetts Existing and Projected Exempt Debt Service



Outstanding Town Meeting Articles

Dept	New Account	Description	Use of Funds	Town Meeting	Year	Article #	Original Appropriation	Current Balance	Source of Funds	Close Y/N	By Law 5-1 Sec 3 Compliance	Explanation/Update on Project	
DPW	01-425-127-5241	CEMETERY ENGINEERING	To expand and develop 5 acres of land at Hanover Center cemetery.	ATM	2003	50	15,000.00	6,130.50	Cemetery Capital Improvement	Y	Y	Next phase of gravesites to be designed	
DPW	01-425-128-5241	CEMETERY FENCE	To install fencing of Hanover Center cemetery.	ATM	2003	51	45,000.00	10,994.02	Cemetery Capital Improvement	Y	Y	balance to transferred/returne	
DPW	01-421-5319-9042-25	AMES WAY NEEDS STUDY	To conduct a needs assessment of the DPW facility	ATM	2014	42	45,000.00	45,000.00	Free Cash		Y	Work commenced on potential improvements and relocation	
DPW	01-422-5876-9023-26	PURCHASE/EQUIP ONE TON DUMP TRUCK	Purchase and equip 4x4 one ton dump truck with plow.	ATM	2015	23	70,000.00	11,008.00	Free Cash		Y	balance to be transferred/returned	
DPW	01-421-133-5310	WASTEWATER STUDY	To further study, including hydrogeological investigation, preliminary design and project costs as recommended in 10/11/12 Strategic Wastewater Planning Report.	STM	2013	8	150,000.00	77,793.07	Free Cash	N	Y	Project ongoing	
FACILITIES	01-670-5230	STETSON HOUSE FUND YR #11	To be used for improvements, maintenance, and repairs to building and property at 514 Hanover St.	ATM	2007	19	1,000.00		Raise & Approrlate		Y	project complete	
FACILITIES	01-670-129-5230	STETSON HOUSE FUND YR #12	To be used for improvements, maintenance, and repairs to building and property at 514 Hanover St.	ATM	2008	16	1,000.00	772.9	Raise & Approrlate		Y	balance to be transferred/returned	
FACILITIES	01-670-125-5230	STETSON HOUSE FUND YR #13	To be used for improvements, maintenance, and repairs to building and property at 514 Hanover St.	ATM	2009	28	1,000.00	1,000.00	Raise & Approrlate		N	Funds to be returned at ATM	
FACILITIES	01-220-102-5820	FIRE HEADQUARTERS HVAC	To conduct a needs assessment of HVAC systems at Fire Headquarters.	ATM	2009	43	10,000.00	10,000.00	Free Cash		N	Funds to be returned at ATM	
FACILITIES	01-192-112-5820	MS TILE ABATEMENT	To remove carpets, abate tile, install moisture barrier system and replace tile in downstairs rooms and common areas at the MS.	ATM	2012	23	490,000.00	159,844.02	Free Cash		Y	Project ongoing	
FACILITIES	01-610-113-5820	LIBRARY SNOWGUARDS	To install snow guards on Library roof.	ATM	2012	25	20,000.00	1,200.00	Free Cash		Y	Balance to be transferred/returned	
FACILITIES	01-192-116-5820	MS SMOKE DOORS	To install smoke doors at MS that will be tied into the fire alarm system to include purchasing, repair, replacement, disposal, installation and related costs.	ATM	2012	28	35,000.00	15,409.75	Free Cash		Y	Awaiting final work; then balance to be returned	
FACILITIES	01-192-5865-9053-25	REPLACE FIRE ALARM - TOWN HALL	Replace fire alarm system at town hall and related costs	ATM	2014	53	18,000.00	18,000.00	Free Cash		Y	Design initiated	
FACILITIES	01-192-5850-9028-26	INSTALL SAFETY BOLLARDS - MS	Install safety bollards at sidewalk at MS entrance	ATM	2015	28	20,000.00	20,000.00	Free Cash		Y	Installation ongoing now	
FACILITIES	01-192-5230-9029-26	STETSON HOUSE ELECTRICAL UPGRADE	To replace electric panel/breakers and upgrade electric service	ATM	2015	29	10,000.00	9,159.30	Free Cash		Y	Project complete; balance to be transferred/returned	
FACILITIES	01-192-5875-9030-26	PURCHASE CARGO VAN	Purchase and equip new Ford Transit Cargo van.	ATM	2015	30	29,000.00	29,000.00	Free Cash		Y	Van purchased; payment pending	
FACILITIES	01-192-5865-9031-26	TOWN HALL SECURITY SYSTEM	To install a building security system in Town Hall - burglar alarm, motion sensors, videa cameras.	ATM	2015	31	35,000.00	35,000.00	Free Cash		Y	Design underway	
FACILITIES	01-192-5876-9032-26	4X4 RACK BODY TRUCK	To purchase and equip 4x4 rack body truck.	ATM	2015	32	57,000.00	5,412.00	Free Cash		Y	balance to be transferred/returned	
FACILITIES	01-192-5230-9033-26	REPAIR CURTAIN WALL LIBRARY	To repair window curtain wall and repair water damaged area of interior sides of wall.	ATM	2015	33	30,000.00	30,000.00	Free Cash		Y	Design underway	
FACILITIES	01-192-5865-9034-26	UPGRADE DOOR LOCKS - TH	To upgrade door locks in Schools and Town Buildings for improved security.	ATM	2015	34	70,000.00	7,661,823.19	Free Cash		Y	Additional lock improvements completed; awaiting invoice	
FACILITIES	01-192-5319-9051-25	HEARING ROOM IMPROVEMENTS	Modernization and acoustical improvements to BOS hearing room.	ATM	2014	51	25,000.00	25,000.00	Cable Revolving		Y	Design ongoing	
FIRE	01-220-122-5820	PURCHASE AMBULANCE	To purchase and equip an ambulance.	ATM	2012	30	185,000.00	1,251,356	Ambulance Receipts	Y	Y	balance to be transferred/returned	
FIRE	01-220-5782-9031-25	PORTABLE LIGHT TOWER	To purchase portable light tower and related costs	ATM	2014	31	9,000.00	8,502.99	Free Cash	Y	Y	balance to be transferred/returned	
FIRE	01-220-5725-9018-26	PUBLIC SAFETY TRAINING	For public safety training.	ATM	2015	18	15,000.00	9,667.72	Free Cash	N	Y	training ongoing	
FIRE	01-220-5311-9037-26	FIRE SUBSTATION ARCHITECT DESIGN	To develop architectural design to include revised plans, elevations, site plans, building renderings, material selections and prelim structural write up and estimate.	ATM	2015	37	44,000.00	19,163.92	Free Cash		Y	design ongoing	
FIRE	01-220-5867-9030-25	ELECTRONIC MESSAGE BOARD	Purchase electronic message board and related costs	ATM	2014	30	20,000.00	2,924.01	Free Cash		Y	balance to be transferred/returned	
FIRE	01-220-5875-9035-26	PURCHASE & EQUIP AMBULANCE	Purchase and equip new ambulance	ATM	2015	35	235,000.00	1,404,823	Ambulance Receipts		Y	Still outfitting/equipping - balance to be expended	
PARKS & REC	01-630-5319-9040-26	VETERANS HONOR GARDEN	To be used for Committee to study design of garden.	ATM	2015	40	25,000.00	2,391,175	Free Cash		Y	design ongoing	
POLICE	01-210-431-5867	DUTY WEAPONS/AMMO	To purchase current issue replacement duty weapons and ammunition.	ATM	2013	21	41,000.00	1,570,208	Free Cash	Y	Y	balance to be transferred/returned	
POLICE	01-210-5725-9018-26	PUBLIC SAFETY TRAINING	For public safety training.	ATM	2015	18	15,000.00	10,554.47	Free Cash	N	Y	training ongoing	
POLICE	01-210-5875-9020-26	PURCHASE POLICE VEHICLES	Purchase, lease or lease purchase and equipping two marked and one unmarked police vehicle	ATM	2015	20	106,100.00	6,999,24	Free Cash		Y	equipping ongoing/re-use available for vehicles	
POLICE	01-210-5867-9021-26	PURCHASE POLICE RADIOS	Purchase 8 new cruiser radios, installation and 30 new portable radios	ATM	2015	21	75,000.00	3,693,07	Free Cash	N	Y	additional purchases pending	
SCHOOL	01-300-5780-9018-25	SCHOOL MEDICAID	To fund contract to assist Town in recovering Medicaid reimbursements.	ATM	2014	18	7,500.00	1,990.00	Free Cash	Y	Y	balance to be transferred/returned	
SCHOOL	01-39-310-5780-9015-26	VISION 20/20 MATH	To fund materials, supplies, equipment for implementation of new Math curriculum.	ATM	2015	15	600,000.00	3,79,609.28	Free Cash		Y		
SCHOOL	01-300-5780-9017-26	MEDICAID SERVICES	To assist in recovering Medicaid reimbursements	ATM	2015	17	7,500.00	5,799.00	Free Cash		Y	balance to be transferred/returned	
SELECTMEN	01-122-5850-9007-26	RADIO INFRASTRUCTURE	To repair and replace public safety radio transmission infrastructure	STM	2015	7	115,000.00	15,395.65	Free Cash	N	Y	Upgrades ongoing	
SELECTMEN	01-122-5780-9006-27	SOUTH SHORE COMMUNITY ACTION		STM	2016	6	5,000.00	5,000.00	Free Cash		Y	Payment pending	
TECHNOLOGY	01-300-1450-9038-26	TECHNOLOGY UPGRADES	To upgrade/replace hardware, firewalls, switches, wireless access points, servers, desktops and laptops	ATM	2015	38	100,000.00	2,740,53	Free Cash		Y	Upgrades ongoing	
								763,799.14					

* Funds not to be returned to Treasury except by vote of Town Meeting.

CPA Articles

Dept	New Account	Description	Use of Funds	Town Meeting	Year	Article #	Original Appropriation	Current Balance	Source of Funds	Close Y/N	ByLaw 5-1 Ser 3 Compliance	Explanation/Update on Project
Historic	25-181-410-5800	CPC Town Documents	Preservation of town documents	ATM	2010	73	45,000.00	40,785.80	Historic Reserve		Y	Clerk initiated efforts; ongoing
Historic	25-181-420-5800	Hackets Pond Dam Plan & Spec	Develop plans, specifications and obtain permits for repair of Dam.	ATM	2011	32	50,000.00	29,689.00	Undesignated		Y	funds to be returned
Historic	25-181-427-5800	Historical Society Collection	Preserve, restore and inventory control purposes	ATM	2013	47	16,500.00	8,593.56	Undesignated		Y	project ongoing
Historic	25-181-439-5800	Pres/Restore Historic Cemeteries	Preserve and restore historic cemeteries	ATM	2013	46	80,000.00	50,783.25	Undesignated		Y	project ongoing
Historic	25-181-440-5440	Climate Control - Stetson						11,800.00			Y	project ongoing
Historic	25-181-441-5800	Restore/Repair Hacketts Pond Dam	Restore and make necessary repairs to Dam.	ATM	2014	35	120,000.00	50,289.14	Undesignated		Y	balance to be transferred/returned
Historic	25-181-5319-9060-25	Archive/Pres Stetson House Historic	Archival and preservation of materials of the Stetson House historical collection.	ATM	2015	60	5,000.00	270.88	Undesignated		Y	balance to be transferred/returned
Historic	25-181-5780-9044-26	Veterans Database	Fund mailing and creation of database to permit ongoing collection of oral histories of Hanover veterans.	ATM	2016	44	1,000.00	1,000.00	Historic Reserve		N/A	1 year period not yet passed
Historic	25-181-5820-9041-26	Town Hall Restoration	Restoration of the structural integrity and exterior of the historic Town Hall building.	ATM	2016	41	1,085,500.00	1,015,406.04	\$384k Historic Reserve, \$111,557 Budgeted Reserve, \$589,943 Undesignated		N/A	1 year period not yet passed
Historic	25-181-5820-9047-26	1st Congregational Church windows	Replacement of windows	ATM	2016	47	80,450.00	80,450.00	Historic Reserve		Y	matching funds being raised by church
Open Space	25-183-403-5800	Trail Improvements		ATM	2009	23	13,410.00	0.41	Open Space Reserve		Y	balance to be transferred/returned
Open Space	25-183-442-5810	Webster St. Purchase	To purchase Webster St. property.	ATM	2014	36	325,000.00	322,118.83	Open Space Reserve		Y	balance to be transferred/returned
Open Space	25-183-5319-9061-25	Trail Feasibility	To conduct trail feasibility study.	ATM	2015	61	25,000.00	25,000.00	Open Space Reserve		Unknown	Will reach out to Open Space for update
Open Space	25-183-980-5800-22	FPP Completion		STM	2014	2		1,147.51			Y	project complete
								1,347,360.94				

Articles Funded by Borrowing

Department	New Account	Description	Use of Funds	Town Meeting	Article #	Original Appropriation	Current Balance	Source of Funds	Close Y/N	ByLaw 5-1 Sec 3 Compliance	Explanation/Update on Project
Facilities	30-192-5820-9027-26	Cedar School Roof	Costs of roof repairs at Cedar and incidentals	ATM 2015	27	350,000.00	350,000.00	Borrowing		Y	Contract issued
Facilities	30-192-5820-9057-25	Renovate Fire HQ Kitchen	Reconstructing, remodeling and making extraordinary repairs to Fire kitchen.	ATM 2014	57	50,000.00	9,783.79	Borrowing		Y	Project complete
Facilities	30-192-5865-9054-25	Generator for Fire HQ	Purchase and installation with incidentals included	ATM 2014	54	140,000.00	(37,205.33)	Borrowing		Y	project complete; awaiting adjustment
Facilities	30-192-5880-9045-25	Energy Management Controls	Purchase and installation of HVAC energy mgmt control at Cedar and Middle Schools	ATM 2014	45	120,000.00	109,046.25	Borrowing		Y	upgrades ongoing
Fire	30-220-5867-9028-25	Fire Breathing Apparatus SCBA	Replacing self-contained breathing apparatus and related equipment	ATM 2014	28	275,000.00	5,075.00	Borrowing		Y	balance to be returned
Fire	30-220-5867-9029-25	Portable Radio Equipment	Purchase portable radios and related equipment including incidentals	ATM 2014	29	130,000.00	9,785.78	Borrowing		Y	balance to be returned
Fire	30-220-5867-9036-26	Fire Pumping Truck	To purchase and equip new pumping truck	ATM 2015	36	500,000.00	2,409.63	Borrowing		Y	outfitting/equipping ongoing
DPW	30-421-5859-9040-25	Factory Pond Dam Repairs	Repair and restore Factory Pond Dam	ATM 2014	40	169,953.26	96,927.21	Borrowing		Y	additional work pending
DPW	30-422-521-5851	Road Reconstruction				467,484.00	427,660.56	Borrowing		Y	additional work pending
DPW	30-422-5860-9025-26	Multi-tool Tractor	To purchase and equip new multi-tool tractor	ATM 2015	25	140,000.00	10.00	Borrowing	Y	Y	balance to be returned
DPW	30-422-5876-9024-26	Large Dump Truck	To purchase and equip new large dump truck	ATM 2015	24	157,000.00	66.00	Borrowing	Y	Y	balance to be returned
DPW	30-422-5876-9034-25	4x4 Pickup	To purchase and equip new 4x4 pickup	ATM 2014	34	38,000.00	255.25	Borrowing	Y	Y	balance to be returned
DPW	30-422-5876-9035-25	One Ton Dump Truck	To purchase and equip one ton dump truck	ATM 2014	35	70,000.00	6,049.03	Borrowing	Y	Y	balance to be returned
DPW	30-422-5876-9036-25	Large Dump Truck	To purchase and equip new large dump truck	ATM 2014	36	170,000.00	13,474.00	Borrowing	Y	Y	balance to be returned
SCHOOL	31-300-5319-9048-25	Sylvester Feasibility Study				500,000.00	70,911.09	Borrowing		Y	project ongoing
							1,063,928.26				

Outstanding Water Enterprise Articles

New Account	Description	Use of Funds	Town Meeting	Article #	Original Appropriation	Current Balance	Source of Funds	Close Y/N	ByLaw 5-1 Sec 3 Compliance	Explanation/Update on Project
60-450-5780-9004-27	Water Master Plan	Update water master plan	STM 2016	4	100,000.00	78,475.00	Older articles/retained earnings		Y	project ongoing
60-450-5820-9006-26	Ames Way Repairs	Repairs to the Ames Way DPW Facility	STM 2015	6	40,000.00	40,000.00	Older articles/retained earnings		Y	Insurance funds expended first
60-450-5860-9026-26	4 Wheel Dr. Backhoe					369.00	Retained Earnings		Y	balance to be returned
60-450-5875-9038-25	Water Service Van					400.94	Retained Earnings		Y	balance to be returned
60-450-5876-9037-25	4x4 Pickup					855.00	Retained Earnings		Y	balance to be returned
60-452-556-5850	WINTER ST. FACILITY	To purchase and renovate a building at 219 Winter St. to be used as Water Department garage and costs incidental and related thereto.	ATM 2005	42	975,000.00	65,552.56	\$150k Retained Earnings & \$825k Borrowing	N	Y	upgrades ongoing
60-918-5145	WATER SICKLEAVE BUYBACKS	To fund water sickleave buyback fund.	ATM 2006	12	71,500.00	3,568.83	Retained Earnings		Y	additional appropriation to be made
60-451-5850-9003-26	WATER QUALITY	To improve water quality on Main St. north of Walnut St. including relocation of water services, relocation/replacement of valves/hydrants/water mains and related work.	STM 2015	3	60,000.00	(67.89)	Retained Earnings	N		accounting adjustments pending
60-451-571-5850	MTBE TESTING & CLEANUP	To create a fund for testing and cleanup of MTBE and other contaminants that have found and or may find their way into the Town's water supply. Proceeds were originally from class action settlement. Any other proceeds from lawsuit should go into this fund.	ATM 2012	17	505,437.00	(976.36)	General Fund Free Cash	N	Y	accounting adjustments pending
61-450-561-5830	Wind Tower					(15,106.27)	Borrowing		Y	legal settlement pending
61-451-5850-9005-27	Pond St. Water Treatment Plant	Replace the residuals withdrawal system at the WTP	STM 2016	5	500,000.00	500,000.00	Borrowing		Y	1 year period not yet passed
						1673,070.81				

* Funds not to be returned to Treasury except by vote of Town Meeting.

BID RESULTS (CSI FORMAT) - Elementary Schools [ON OR AFTER JANUARY 1, 2014]

The information and data contained in this spreadsheet is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

District	Athol-Royalston		Gloucester		Hingham		Milford		Newton		Northborough		South Hadley	
School Name	Riverbend		West Parish		Hingham ES		Woodland		A E Angier		Lincoln Street		Plains ES	
Enrollment	545		355				985		465		270		270	
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program	
Project Scope	New Construction		New Construction		New Construction		New Construction		New Construction		Addition / Renovation		New Construction	
Designer	Mount Vernon Group Architects, Inc.		Dore & Whittier Architects, Inc.				HMFH Architects, Inc.		DiNisco Design Partnership, Limited		Lamoureux Pagano & Associates, Inc.		Jones Whitsett Architects, Inc.	
OPM	Symmes Maini & McKee Associates		Knight, Bagge & Anderson Inc.		KBA/Mary Mahoney Partnership		Joslin, Lesser + Associates Inc.		Joslin, Lesser + Associates Inc.		Colliers International		Arcadis U.S., Inc.	
General Contractor	Fontaine Brothers, Inc.		W. T. Rich Company Inc.				Shawmut Design and Construction		W. T. Rich Company Inc.		Brait Builders Corp.		Fontaine Brothers, Inc.	
DBB or CMR	DBB		CMR		Undetermined		CMR		CMR		DBB		DBB	
GC Bids Received or GMP Executed	11/25/14		01/08/15				12/17/14		12/15/14		05/01/15		04/23/14	
GSF	95,726		65,679		92,291		132,539		74,960		52,920		63,377	
Description	Bid Data		Bid Data		Bid Data		Bid Data		Bid Data		Bid Data		Bid Data	
	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost
General Requirements Subgroup														
1 General Requirements	\$1,163,000	\$2	\$2,318,334	\$35	\$1,490,433	\$16	\$3,111,906	\$23	\$1,887,900	\$25	\$907,489	\$17	\$1,255,237	\$20
GMP - Fee			\$644,052	\$10			\$900,000	\$7	\$540,000	\$7				
GMP - Insurance			\$459,904	\$7			\$806,194	\$6	\$421,992	\$6				
GMP - Contingency			\$591,751	\$9			\$696,379	\$5	\$446,371	\$6				
Facilities Construction Subgroup														
2 Existing Conditions			\$1,062,448	\$16	\$1,486,500	\$16	\$814,795	\$6	\$670,548	\$9	\$1,180,000	\$22	\$400,000	\$6
3 Concrete	\$2,300,000	\$24	\$1,535,272	\$23	\$1,449,000	\$16	\$2,194,631	\$17	\$1,263,751	\$17	\$1,100,000	\$21	\$1,863,000	\$29
4 Masonry	\$2,634,000	\$28	\$2,433,000	\$37	\$2,447,000	\$27	\$1,233,000	\$9	\$1,194,000	\$16	\$546,000	\$10	\$1,428,000	\$23
5 Metals	\$3,444,915	\$36	\$2,077,022	\$32	\$2,467,500	\$27	\$3,926,765	\$30	\$2,154,374	\$29	\$1,506,000	\$28	\$2,322,000	\$37
6 Wood, Plastics and Composites	\$565,000	\$6	\$1,019,373	\$16	\$520,000	\$6	\$886,840	\$7	\$1,339,700	\$18	\$519,410	\$10	\$1,238,000	\$20
7 Thermal and Moisture Protection	\$2,150,800	\$22	\$1,754,698	\$27	\$1,263,400	\$14	\$3,874,400	\$29	\$2,530,525	\$34	\$1,344,500	\$25	\$1,505,220	\$24
8 Openings	\$1,921,173	\$20	\$1,613,216	\$25	\$1,029,785	\$11	\$2,975,569	\$22	\$1,510,761	\$20	\$921,712	\$17	\$838,739	\$13
9 Finishes	\$3,395,687	\$35	\$3,060,206	\$47	\$2,040,882	\$22	\$5,922,819	\$45	\$2,912,957	\$39	\$2,218,444	\$42	\$1,818,196	\$29
10 Specialties	\$244,000	\$3	\$139,298	\$2	\$313,200	\$3	\$650,667	\$5	\$124,694	\$2	\$114,000	\$2	\$360,000	\$6
11 Equipment	\$270,000	\$3	\$351,061	\$5	\$305,800	\$3	\$490,459	\$4	\$266,879	\$4	\$486,900	\$9	\$175,000	\$3
12 Furnishings	\$355,000	\$4	\$111,902	\$2	\$535,050	\$6	\$1,177,480	\$9	\$46,000	\$1	\$43,000	\$1	\$66,000	\$1
13 Special Construction			\$15,099	\$0	\$284,950	\$3								
14 Conveying Systems	\$84,700	\$1	\$153,600	\$2	\$75,500	\$1	\$124,700	\$1	\$147,880	\$2			\$79,500	\$1
Facilities Services Subgroup														
21 Fire Suppression	\$268,225	\$3	\$286,300	\$4	\$3,774,000	\$41	\$524,000	\$4	\$350,750	\$5	\$222,000	\$4	\$233,252	\$4
22 Plumbing	\$1,123,000	\$12	\$984,000	\$15	\$2,045,000	\$22	\$1,462,000	\$11	\$927,000	\$12	\$770,000	\$15	\$743,000	\$12
23 HVAC	\$3,000,200	\$31	\$2,450,000	\$37			\$4,933,800	\$37	\$2,642,000	\$35	\$1,839,000	\$35	\$2,002,900	\$32
25 Integrated Automation	\$272,800	\$3											\$386,100	\$6
26 Electrical	\$1,866,934	\$20	\$2,650,158	\$40			\$4,484,000	\$34	\$2,169,000	\$29	\$2,884,000	\$54	\$1,575,854	\$25
27 Communications	\$803,566	\$8						\$72,936	\$1				\$470,815	\$7
28 Electronic Safety and Security	\$159,000	\$2						\$183,820	\$2				\$275,331	\$4
Site and Infrastructure Subgroup														
31 Earthwork	\$3,763,000	\$39	\$2,090,145	\$32			\$4,960,000	\$37	\$571,833	\$8	\$1,574,000	\$30	\$1,567,000	\$25
32 Exterior Improvements	\$572,000	\$6	\$747,927	\$11			\$2,224,697	\$17	\$1,122,830	\$15	\$273,545	\$5	\$355,000	\$6
33 Utilities	\$1,237,000	\$13	\$1,446,700	\$22				\$712,115	\$9				\$433,000	\$7
Total Construction Cost	\$31,594,000		\$29,995,466		\$21,528,000		\$48,375,101		\$26,210,616		\$18,450,000		\$21,391,144	
\$/GSF	\$330		\$457		\$233		\$365		\$350		\$349		\$338	
CMR Preconstruction Services			\$140,000				\$140,000		\$123,600					
Total Cost (with Precon. Services)	\$31,594,000		\$30,135,466		\$21,528,000		\$48,515,101		\$26,334,216		\$18,450,000		\$21,391,144	
Total Cost - Alternates									\$3,948,259					
Total Cost (with Alternates)	\$31,594,000		\$29,995,466		\$21,528,000		\$48,375,101		\$30,158,875		\$18,450,000		\$21,391,144	
Building Cost (Div3 thru 28)	\$24,859,000	\$260	\$20,634,205	\$314	\$18,551,067	\$201	\$34,861,130	\$263	\$19,837,027	\$265	\$14,514,966	\$274	\$17,380,907	\$274
Mark-up Cost (Section 1)	\$1,163,000	\$12	\$4,014,041	\$61	\$1,490,433	\$16	\$5,514,479	\$42	\$3,296,263	\$44	\$907,489	\$17	\$1,255,237	\$20
GMP Contingency as % of Total Con Cost			1.97%				1.44%		1.70%					